

WHAT IS CLAIMED IS:

1. An optical recording apparatus for recording an information data signal on an optical recording medium, comprising:

5 a position identifying portion for identifying the position of a control data recording area where control data regarding recording of said information data signal is recorded;

10 a pre-pit signal detecting portion for reading a predetermined section of said control data recording area to detect a pre-pit signal from the read signal; and

a generating portion for generating a recording synchronizing signal indicating recording start timing from said pre-pit signal.

15 2. An optical recording apparatus for recording an information data signal on an optical recording medium, comprising:

20 a position identifying portion for identifying the position of a control data recording area where control data regarding recording of said information data signal is recorded;

an RF data signal detecting portion for reading a predetermined section of said control data recording area to detect an RF data signal from the read signal; and

25 a generating portion for generating a recording synchronizing signal indicating recording start timing from said RF data signal.

3. An optical recording apparatus for recording an information data signal on an optical recording medium, comprising:

5 a position identifying portion for identifying the position of a control data recording area where control data regarding recording of said information data signal is recorded;

a pre-pit signal detecting portion for reading a predetermined section of said control data recording area to detect detecting a pre-pit signal from the read signal;

10 an RF data signal detecting portion for reading a predetermined section of said control data recording area to detect an RF data signal from the read signal; and

15 a selecting portion for selecting either of said pre-pit signal detecting portion and said RF data signal detecting portion to generate a recording synchronizing signal indicating recording start timing from the detected signal.

4. An optical recording apparatus according to claim 1, comprising a recording portion for recording predetermined management information in an area adjacent to said control data recording area in response to said recording synchronizing signal.

25 5. An optical recording apparatus according to claim 1, wherein said predetermined section is positioned at the end of said control data recording area.

6. A method for recording an information data signal on an optical recording medium, comprising the steps of:

identifying the position of a control data recording area where control data regarding recording of said information data signal is recorded;

detecting a pre-pit signal by reading a predetermined section of said control data recording area; and

generating a recording synchronizing signal indicating recording start timing from said pre-pit signal.

7. A method for recording an information data signal on an optical recording medium, comprising the steps of:

identifying the position of a control data recording area where control data regarding recording of said information data signal is recorded;

detecting an RF data signal by reading a predetermined section of said control data recording area; and

generating a recording synchronizing signal indicating recording start timing from said RF data signal.

8. A method for recording an information data signal on an optical recording medium, comprising the steps of:

identifying the position of a control data recording area where control data regarding recording of said information data signal is recorded;

detecting a pre-pit signal by reading a predetermined section of said control data recording area;

detecting an RF data signal by reading a predetermined section of said control data recording area; and

executing either one of the step of detecting a pre-pit signal and the step of detecting an RF data signal to generate
5 a recording synchronizing signal indicating recording start timing from the detected signal.

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